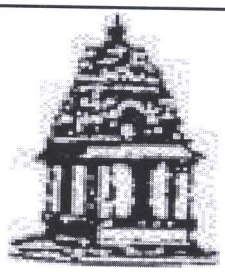

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : Providing Necessary Borewell Accessories, Pump & Motors, Panel Boards, PVC Cable etc., to Existing Borewells and Providing PVC Pipeline at Verious Places in ward no. 05 Byatarayanapura Sub Division

Estimated Cost : 20.00 Lakhs

Job Code:

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

	Estimate Cost Rs.	**2000000.00**

of Work: Providing Necessary Borewell Accessories, Pump & Motors, Panel Boards, PVC Cable to Existing Borewells and Providing PVC Pipeline at Verious Places in ward no. 05 rayanapura Sub Division

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
pply & delivery at site brand new xmo/innoval/lubi/sabar /Atalanta/calamal/ aterman/Radha make suitable HP deep well bmercible pumpset suitable for vertical stallation in 150 dia borewells compressing of ngle stage or multistage CF pump close upled by means of stainless steel coupling to itable HP suitable speed totally enclosed and led with pure drinking water squirrel agesubmercible induction motor suitable for peration of 3Ph, 50Hz.380/440 volts AC supply tted with required accessories such as suction, asing, suction strainers, sand guard. Non eturn valve etc Complete the pump and motor hall from an integral unit with all the required ittings 17.50 HP 30 stage (P.NO-XXXXIII, I.NO-4, PWD SR 18-19)	No							
17.5HP 30 Stage		3				**3**	72126.00	**216378.00**
20 HP 40 Stage		2				**2**	90595.00	**181190.00**
Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best ndigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above Up to 20HP with star delta starter (MR) Page No. XLVII, Sl NO. 13, PWD SR 2018-19	No.							
		4				**4**	21000.00	**84000.00**
Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe B Class (SR 18-19 PWD, P.No.XLVII Sl.no. 1	Rmtr							
		1	800.00			**800.00**	415.00	**332000.00**

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
pply and fixing Collar for GI Pipes 50MM ge No. XLVII, Sl NO.2, PWD SR-2018-19	No's	1	135.00			**135.00**	154.50	**20858.00**
Basic Rate	150.00							
3% area weightage	4.50							
Total	**154.50**							
pplying of submersible pump cable 1X3X6..0 .mm (Page No. XLVII, Sl NO. 8, PWD SR-18-19	Mtr							
		1	1900.00			**1900.00**	144.00	**273600.00**
pplying and fixing MCB (P.NO - XLVII, SL.NO 9, PWD SR 18-19)	No's							
		42	1.00			**42.00**	900.00	**37800.00**
arthwork excavation for foundation of uildings, water supply, sanitary lines and ectrical conduits either in pits or in trenches 5m and above in width, in Ordinary soil not xceeding 1.5 m in depth including dressing the ottom and sides of pits and trenches, stacking ne excavated soil clear from edges of xcavation with lead upto 50m after breaking of lods complete as per specifications (P.NO - 6, NO - 2.3, PWD SR 18-19)	Cum							
		1	900.00	0.60	0.75	405.00		
						405.00	316.94	**128361.00**
Basic Rate	299.00							
6% area weightage	17.94							
Total	316.94							
Providing and installing at site of work 63mm 0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including owering into trenches, laying true to line, level and perfect linking at joints leak proof including ointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I.NO - 13.73.2, PWD SR 18-19)	Mtr							
		1	900.00			900.00		
						900.00	394.32	**354888.00**
Basic Rate	372.00							
6% area weightage	22.32							
Total	394.32							
Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 7, I.NO - 2.11, PWD SR 18-19)	Cum							
		1	900.00	0.60	0.75	405.00		
						405.00	128.26	**51945.00**
Basic Rate	121.00							
6% area weightage	7.26							
Total	128.26							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
ricating supplying and mounting MS box of SWG suitable for floor / wall mounting, fully ither proof with provision for better hear cription, (providing with hinged front cover, ipped with tamper proof locking angements, with suitable size clamps with cessary cable entry pipe with gland and box ould be finished 2 coats of red oxide primes nt and finally finished with approved colour amelled metal paint etc,. complete box of 600 sq cm (P.NO-530, I.NO-39 b, BWSSB 13-14)	Sqm							
		10	1100.00	20.00		**220000.00**	0.34	**74778.00**
Basic Rate	0.33							
3% area weightage	0.01							
Total	**0.34**							
upplying and fixing of Porcelain fuse channel ith cut out on existing wooden / panel using ecessary nuts, bolts and washer etc., mplete.... **P No. 32/I No 3b KPWD Electrical R 2010-11**	No.							
3 Amps		30	3.00			**90.00**	150	**13500.00**
upplying and laying of L.T.U.G Cable having luminiumconductor PVC insulated shethed alvanised steel wire/ steel tape armoured cable ith PVC outer sheathing 1.1 KV class 4 core 6 sqmm cable (confirming to IS 1554) (P.NO - 53, I.NO - 10 (d), BWSSB SR 13-14)	Mtr							
For Additional UG Cable		1	60.00			**60.00**	169.95	**10197.00**
Basic Rate	165							
3% area weightage	4.95							
Total	169.95							
Total of Other SR Items including GST Unit Rate(Sl No. 10 to 12)								**98475.00**
Total of PWD SR 2018-19 Items(Sl No. 1 to 9)								**1681020.00**
For 12% GST for Only PWD SR-2018-19 items								**201722.00**
1% PMC Charges								**17795.00**
Miscellaneous and Unforeseen Charges	L/S							**988.00**
							Total	**2000000.00**

TECHNICAL SANCTION
Accorded For Rs. 20.00 Lakhs
Head of A/c. P:1771
Div. Ref. No. 09/20-21 Date 24-4-2020
AE
EE(BTP)

Administrative Approval
Accorded For Rs 20.00 Lakhs only
Head of A/C P:1771
CER NO :...173..... Dt:27.03.2020
TA
CE (TNK)

RTIFICATE:

The work spot has been inspected and the work is found necessary.
This estimate is prepared as per C.S.R. of PWD Elecrical 2010-11, PRED 2012-13 & SE-RDED and PWD SR 2018-19 approved Rate.
The provisions were made in this estimate are necessary and adequate.
This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Byatarayanapura Division

Assistant Executive Engineer
Byatarayanapura Sub Division